

Converting Colors

$Yxy(47.8757, 0.2866, 0.3055)$

Have a look what the booklet for
Yxy(47.8757, 0.2866, 0.3055)
contains.

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Color

Yxy(48.0235, 0.2867, 0.3057)

Conversions

Conversions Part 1

Format	Color
Hex	AABACC
RGB	170, 186, 204
RGB Percent	67%, 73%, 80%
CMY	0.3333, 0.2706, 0.1999
CMYK	0.17, 0.09, 0.00, 0.20
HSL	212°, 25%, 73%
HSV	212°, 17%, 80%
XYZ	45.0387, 48.0235, 64.0313
YIQ	183.2680, -15.3140, 2.2060

Conversions

Conversions Part 2

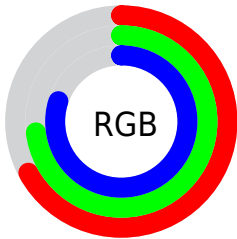
Format	Color
RYB	170, 181, 204
Decimal	11188940
CIELab	74.84, -1.74, -10.94
CIELCh	75, 11.079, 260.959
Yxy	48.0235, 0.2867, 0.3057
Android (android.graphics.Color)	4289379020 (0xFFAABACC)
YUV	183.2680, 10.2209, -11.6360
Hunter-Lab	69.2990, -5.2627, -6.2739

Details

The Yxy color `48.0235, 0.2867, 0.3057` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `51.7213, 0.3406, 0.3512`, and the grayscale version is `47.4601, 0.3127, 0.3290`.

A 20% lighter version of the original color is `86.8930, 0.2950, 0.3158`, and `22.7590, 0.2789, 0.2990` is the 20% darker color. If you saturate the color by 10%, you get `41.5415, 0.2703, 0.2896`, and if you desaturate by 10%, it is `55.2069, 0.3025, 0.3202`.

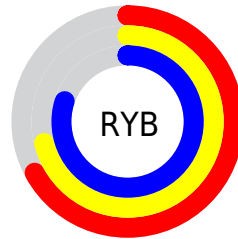
Distribution



Red (67%)

Green (73%)

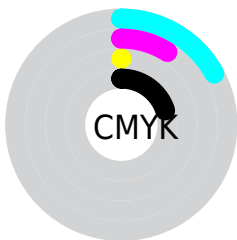
Blue (80%)



Red (67%)

Yellow (71%)

Blue (80%)

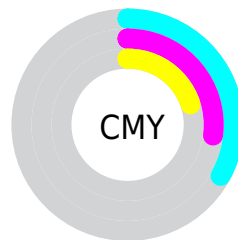


Cyan (17%)

Magenta (9%)

Yellow (0%)

Black (20%)



Cyan (33%)

Magenta (27%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0235, 0.2867, 0.3057 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 48.0235, 0.2867, 0.3057 by changing the saturation by 10% instead.

■ 48.0235, 0.2867,
0.3057

■ 48.0235, 0.2867,
0.3057

■ 378.8853, 0.2996,
0.3173

■ 33.8455, 0.2835,
0.3028

■ 87.2394, 0.2913,
0.3099

■ 22.7749, 0.2795,
0.2992

■ 113.0461, 0.2931,
0.3115

■ 14.4274, 0.2742,
0.2943

■ 143.4978, 0.2946,
0.3128

■ 8.4185, 0.2669,
0.2876

■ 178.9789, 0.2959,
0.3140

■ 4.3639, 0.2561,
0.2776

■ 219.8738, 0.2970,
0.3150

■ 1.8791, 0.2390,
0.2616

■ 266.5669, 0.2979,

■ 0.5358, 0.1941,

0.3158

0.2229

319.4426, 0.2988,
0.3166

0.0000, 0.0000,
0.0000

48.0235, 0.2867,
0.3057

48.0235, 0.2867,
0.3057

41.5415, 0.2703,
0.2896

55.2069, 0.3025,
0.3202

35.7311, 0.2538,
0.2721

63.1083, 0.3177,
0.3331

30.5691, 0.2374,
0.2531

71.7510, 0.3319,
0.3446

26.0281, 0.2217,
0.2332

81.1554, 0.3453,
0.3547

22.0787, 0.2073,
0.2126

87.9688, 0.3457,
0.3650

■ 18.6883, 0.1946,
0.1919

■ 94.5259, 0.3437,
0.3752

■ 15.8197, 0.1843,
0.1718

■ 97.1404, 0.3430,
0.3790

■ 13.4271, 0.1764,
0.1529

■ 12.7112, 0.1741,
0.1468

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.0235, 0.2833, 0.3146



48.0235, 0.2867, 0.3057



48.0235, 0.2970, 0.3031

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.0235, 0.2867, 0.3057



48.0235, 0.3385, 0.3294



48.0235, 0.3132, 0.3523

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48.0235, 0.2867, 0.3057



51.7213, 0.3406, 0.3512

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.0235, 0.3282, 0.3560



48.0235, 0.2867, 0.3057



48.0235, 0.3431, 0.3423

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.0235, 0.2867, 0.3057



48.0235, 0.3269, 0.3167



48.0235, 0.3392, 0.3522



48.0235, 0.2984, 0.3418

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.0235, 0.2867, 0.3057



48.0235, 0.3065, 0.3051



48.0235, 0.3392, 0.3522



48.0235, 0.3184, 0.3544

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48.0255, 0.2867, 0.3057



93.4267, 0.3050, 0.3224



55.3534, 0.2986, 0.3501



19.8047, 0.3039, 0.3214



0.0000, 0.0000, 0.0000



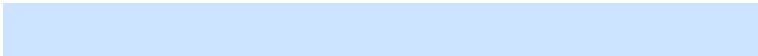
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.0255, 0.2867, 0.3057



75.5319, 0.2809, 0.3001



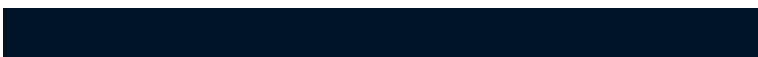
41.7256, 0.2862, 0.2845



11.6992, 0.2983, 0.3164



8.1825, 0.1748, 0.1493



0.5736, 0.1851, 0.1863

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



45.1391, 0.3300, 0.3094



70.0459, 0.3344, 0.3049



58.8554, 0.3371, 0.3701



11.3000, 0.3218, 0.3182



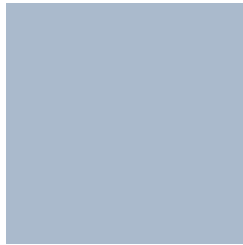
8.6290, 0.5068, 0.2565



0.4605, 0.4611, 0.2314

Previews

White Background



This preview shows how the Yxy color 48.0235, 0.2867, 0.3057 looks on a white background.

Color Contrast Check

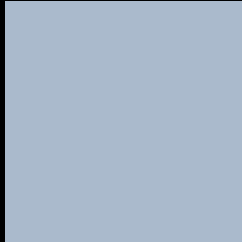
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 48.0235, 0.2867, 0.3057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

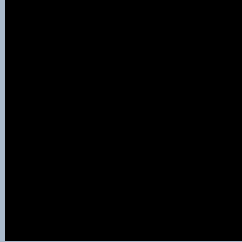
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

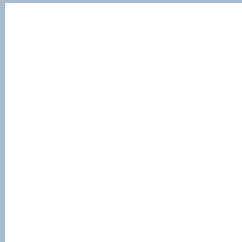
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.0235, 0.2867, 0.3057

Background



This preview shows how black text looks on a background with the Yxy color 48.0235, 0.2867, 0.3057.



This preview shows how white text looks on a background with the Yxy color 48.0235, 0.2867, 0.3057.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

48.0235, 0.2867, 0.3057

Protanopia

48.0763, 0.2974, 0.3050

Deuteranopia

47.8544, 0.3033, 0.2970



Tritanopia

47.8809, 0.2888, 0.3095

Trichromacy



Original Color

48.0235, 0.2867, 0.3057

Protanomaly

48.0578, 0.2935, 0.3048

Deuteranomaly

48.0540, 0.2968, 0.3002

Tritanomaly

47.9281, 0.2881, 0.3082

Monochromacy



Original Color

48.0235, 0.2867, 0.3057

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.5075, 0.3024, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0235, 0.2867, 0.3057 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(170, 186, 204)` looks like.

```
.text, #text, p{  
    color:rgb(170, 186, 204)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(170, 186, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 186, 204) }
```

Border

The CSS property to change the border of an element to Yxy 48.0235, 0.2867, 0.3057 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 186, 204) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(170, 186, 204) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(170, 186, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 186, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 186, 204);  
box-shadow:4px 4px 4px 4px rgb(170, 186,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0235, 0.2867, 0.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 186, 204) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(170,  
186, 204) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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